

Exhibit A

Form PTO-1595
(Rev. 03/01)

OMB No. 0651-0027 (exp. 5/31/2004)
Tab settings → → →

RECORDATION FORM COVER SHEET
PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Zhenyu Jiang

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

Assignment

Merger

Security Agreement

Change of Name

Other _____

07/08/2003
Execution Date: _____

2. Name and address of receiving party(ies)

Name: BorgWarner Inc.

Internal Address: _____

Street Address: Powertrain Technical Center

3800 Automation Avenue, Suite 100

City: Auburn Hills State: MI Zip: 48326-1782

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 07/10/2003

A. Patent Application No.(s) _____

B. Patent No.(s) _____

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: BORGWARNER INC

Internal Address: _____

Powertrain Technical Center

Street Address: 3800 Automation Avenue, Suite 100

City: Auburn Hills State: MI Zip: 48326-1782

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41).....\$ 40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

02-0910

9. Signature.

Frank Tian

Name of Person Signing

Signature

7/10/2003

Date

Total number of pages including cover sheet, attachments, and documents:

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

Attorney docket no.: BW-DKT03060

ASSIGNMENT AND AGREEMENT

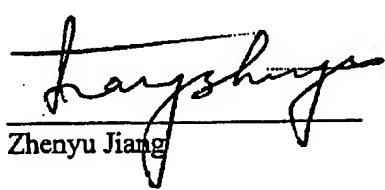
For value received, I, Zhenyu Jiang, of Ithaca in the State of New York, hereby sell, assign and transfer to BorgWarner, Inc., a Corporation of Delaware, having a place of business at Powertrain Technical Center, 3800 Automation Avenue, Suite 100, Auburn Hills, MI 48326-1782, and its successors, assigns and legal representatives (hereinafter referred to as the "Assignee"), the entire right, title and interest, for the United States of America, in and to certain inventions related to the "A METHOD FOR REDUCING VCT LOW SPEED CLOSED LOOP EXCESSIVE RESPONSE TIME" described in an application for Letters Patent of the United States, executed by me of even date here with, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and I also concurrently hereby sell, assign and transfer to Assignee the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

I authorize Assignee to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Assignee to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

I request that any and all patents for said inventions be issued to Assignee in the United States and in all countries foreign to the United States, or to such nominees as Assignee may designate.

I agree that, when requested, I shall, without charge to Assignee, but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.



Zhenyu Jiang

July 8, 2003
Date:

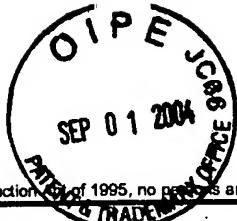


Exhibit -B

PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM

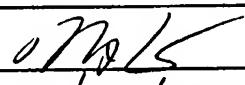
(to be used for all correspondence after initial filing)

		Application Number	10/303,526
		Filing Date	11/25/2002
		First Named Inventor	Stanley B. Quinn, Jr.
		Group Art Unit	3748
		Examiner Name	N/A
Total Number of Pages in This Submission	5	Attorney Docket Number	BW-DKT02065A

ENCLOSURES (check all that apply)

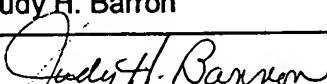
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input checked="" type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below): Postcard
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Brown & Michaels, PC	
Signature		
Date	01/02/2003	

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: 1-6-03

Typed or printed name	Judy H. Barron		
Signature		Date	1-6-03

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

SEP 01 2004

PTO/SB/17 (10-02)

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL

for FY 2003

Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 40.00)

Complete If Known

Application Number	10/303,528
Filing Date	11/25/2002
First Named Inventor	Stanley B. Quinn, Jr.
Examiner Name	
Art Unit	3748
Attorney Docket No.	BW-DKT02065A

METHOD OF PAYMENT (check all that apply)

 Check Credit card Money Order Other None
 Deposit Account:
 Deposit Account Number
 Brown & Michaels PC

02-0910

The Commissioner is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments

Charge any additional fee(s) during the pendency of this application

Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Fee Code (\$)	Fee	Small Entity	Fee Code (\$)	Fee	Fee Description	Fee Paid
1001	740	2001	370	Utility filing fee			
1002	330	2002	165	Design filing fee			
1003	510	2003	255	Plant filing fee			
1004	740	2004	370	Reissue filing fee			
1005	160	2005	80	Provisional filing fee			
SUBTOTAL (1)		(\$ 0.00)					

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
	-20** =	X 18.00	= 0.00
Independent Claims	- 3** =	X 84.00	= 0.00
Multiple Dependent			

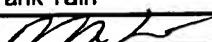
Large Entity	Small Entity	Fee Description
1202	18	2202 9 Claims in excess of 20
1201	84	2201 42 Independent claims in excess of 3
1203	280	2203 140 Multiple dependent claim, if not paid
1204	84	2204 42 ** Reissue independent claims over original patent
1205	18	2205 9 ** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)		(\$ 0.00)

**or number previously paid, if greater. For Reissues, see above

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code (\$)	Fee	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	400	2252	200	Extension for reply within second month	
1253	920	2253	460	Extension for reply within third month	
1254	1,440	2254	720	Extension for reply within fourth month	
1255	1,960	2255	980	Extension for reply within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,280	2453	640	Petition to revive - unintentional	
1501	1,280	2501	640	Utility issue fee (or reissue)	
1502	460	2502	230	Design issue fee	
1503	620	2503	310	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	740	2809	370	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	740	2810	370	For each additional invention to be examined (37 CFR 1.129(b))	
1801	740	2801	370	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	
Other fee (specify)					
*Reduced by Basic Filing Fee Paid		SUBTOTAL (3) (\$ 40.00)			

SUBTOTAL (3) (\$ 40.00)

(Complete if applicable)			
Name (Print/Type)	Frank Tain	Registration No. (Attorney/Agent)	46,462
Signature		Telephone	(607) 256-2000

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Form PTO-1595

(Rev. 03/01)

OMB No. 0651-0027 (exp. 5/31/2002)

RECORDED FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office

PATENTS ONLY

Tab settings

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Stanley B. Quinn, Jr.

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Merger
<input type="checkbox"/> Security Agreement	<input type="checkbox"/> Change of Name
<input type="checkbox"/> Other _____	

Execution Date: 12/5/2002

2. Name and address of receiving party(ies)

Name: BorgWarner Inc.

Internal Address: _____

Street Address: BorgWarner Powertrain Technical Ctr

3800 Automation Avenue, Suite 100

City: Auburn Hills State: MI Zip: 48326-1782

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s) 10/303,526

B. Patent No.(s) _____

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Brown & Michaels PC

Internal Address: _____

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

02-0910

Street Address: 400 M&T Bank Building
118 North Tioga Street
City: Ithaca State: NY Zip: 14850

DO NOT USE THIS SPACE

9. Signature.

Frank Tian

Name of Person Signing

Signature

01/06/2003

Date

Total number of pages including cover sheet, attachments, and documents:

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments

Washington, D.C. 20231

ASSIGNMENT AND AGREEMENT

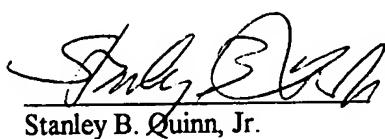
For value received, I, Stanley B. Quinn, Jr., of Elmhurst in the State of Illinois, hereby sell, assign and transfer to BorgWarner, Inc., a Corporation of Delaware, having a place of business at BorgWarner Powertrain Technical Center, 3800 Automation Avenue, Suite 100, Auburn Hills, MI 48326-1782, and its successors, assigns and legal representatives (hereinafter referred to as the "Assignee"), the entire right, title and interest, for the United States of America, in and to certain inventions related to the "CONTROL METHOD FOR ACHIEVING EXPECTED VCT ACTUATION RATE USING SET POINT RATE LIMITER" described in an application for Letters Patent of the United States, executed by me of even date here with, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and I also concurrently hereby sell, assign and transfer to Assignee the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

I authorize Assignee to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Assignee to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

I request that any and all patents for said inventions be issued to Assignee in the United States and in all countries foreign to the United States, or to such nominees as Assignee may designate.

I agree that, when requested, I shall, without charge to Assignee, but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.



Stanley B. Quinn, Jr.

5/dec/2002
Date:



BROWN & MICHAELS, P.C.
118 N. TIoga ST. SUITE 400
ITHACA, NY 14850-4343
(607) 256-2000



M & T BANK
10-4220 458

09539

1/3/2003

\$**40.00

PAY TO THE Assistant Commissioner for Patents

Forty and 00/100***** DOLLARS

Assistant Commissioner for Patents

MEMO BW-0075 / Assignment - BW-DKT02065A


AUTHORIZED SIGNATURE

009539 10220000461015280838 4

09539

BROWN & MICHAELS, P.C.

1/3/2003

40.00

Assistant Commissioner for Patents
Recoverable Expenses: Client Related Advances

BW-0075 / Assignment BW-DKT02065A

M&T General Checking 1 BW-0075 / Assignment - BW-DKT02065A 40.00

Docket No. BW-DKT02065A Serial/Patent No. 10/303,526

Title: Control Method For Achieving Expected ... LIMITER

Inventor/s: Stanley B. Quinn, Jr.

The following, due _____ in the USPTO was received in the Patent Office Mail Room on the date stamped hereon:

<input checked="" type="checkbox"/> Transmittal	<input type="checkbox"/> Petition or Request for _____
<input checked="" type="checkbox"/> Fee Transmittal	<input type="checkbox"/> Notice of Appeal
<input type="checkbox"/> Specification	<input type="checkbox"/> Appeal Brief
<input type="checkbox"/> Drawings	<input type="checkbox"/> Request for Time Extension
<input type="checkbox"/> Declaration/POA	<input type="checkbox"/> I D S <input type="checkbox"/> References
<input checked="" type="checkbox"/> Assignment/Cover	<input type="checkbox"/> Issue Fee & Transmittal
<input type="checkbox"/> Sequence List & Disk	<input type="checkbox"/> Response to Office Action
<input type="checkbox"/> Stmt. Under 37 CFR § 1.821	<input type="checkbox"/> Missing Parts Form & Fee
<input type="checkbox"/> Correct Filing Receipt	<input type="checkbox"/> Rule 131/132 Declaration
<input type="checkbox"/> Provisional Patent Appl. & Cover	<input type="checkbox"/> Maintenance Fee & Transmittal
<input checked="" type="checkbox"/> Check # 9539 \$ 40.00	<input type="checkbox"/> Other: _____

Mailed 1-6-03

By: *JB*

7001 2510 0004 7358 1390